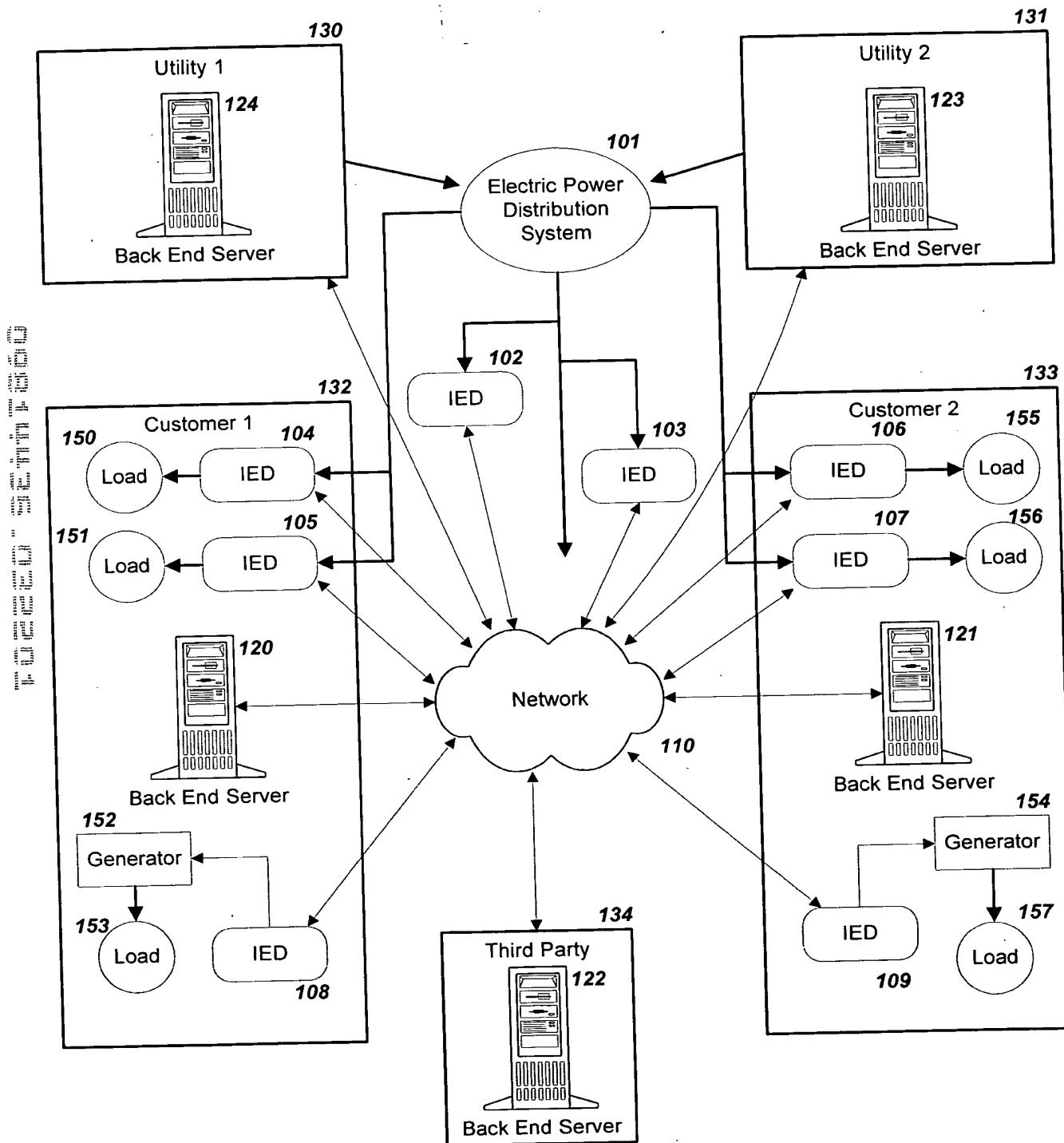


100

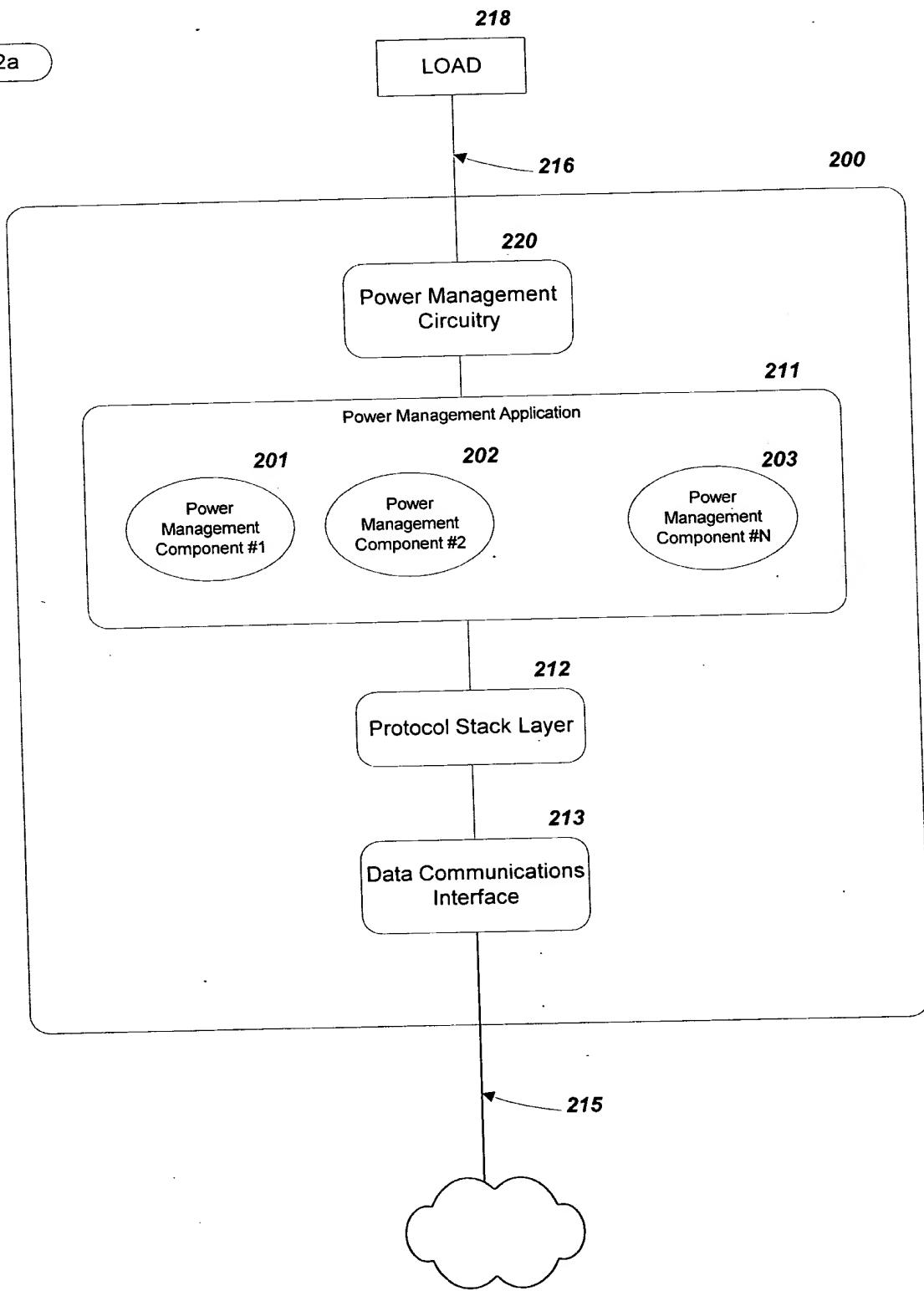
Figure 1

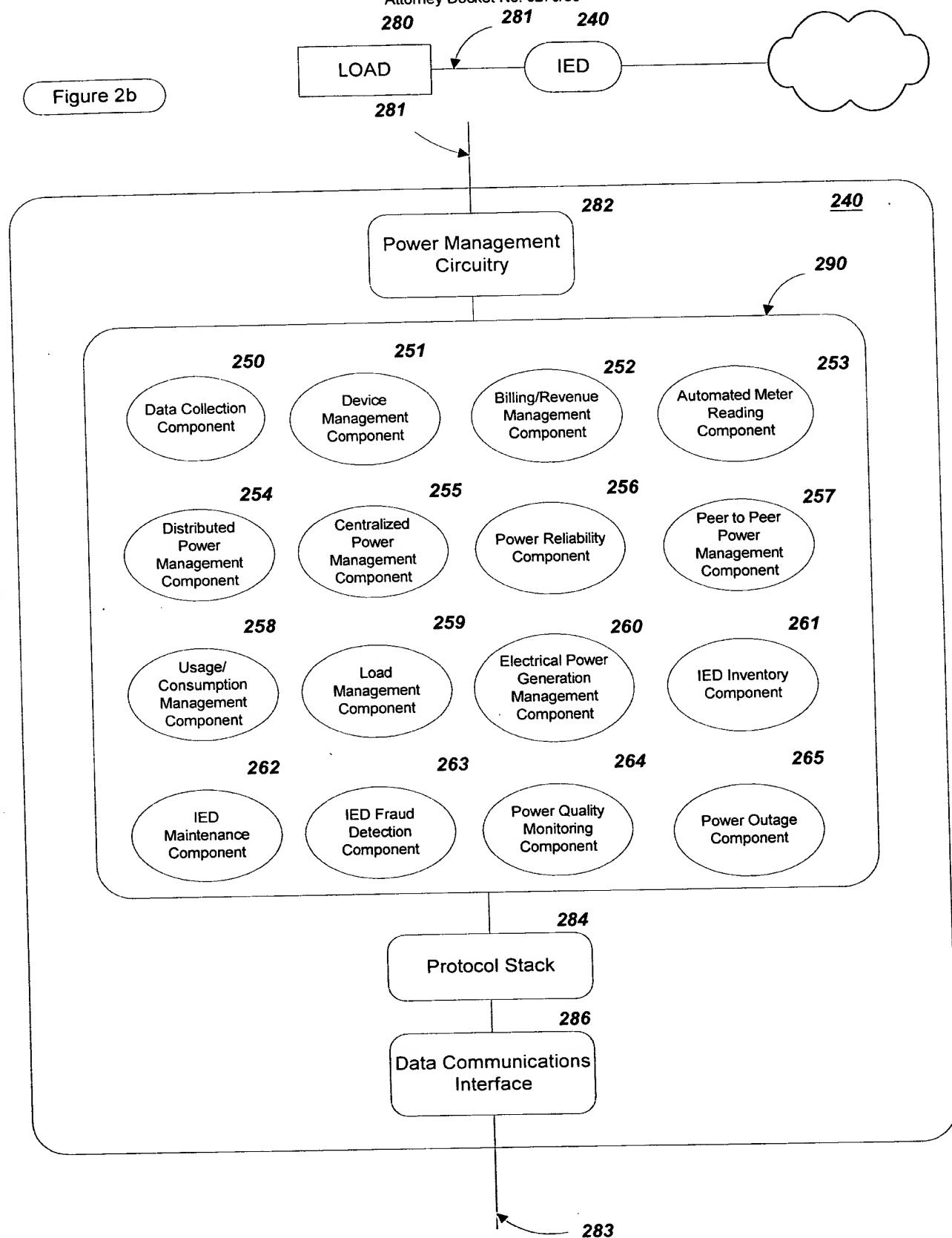
6751562



BEST AVAILABLE COPY

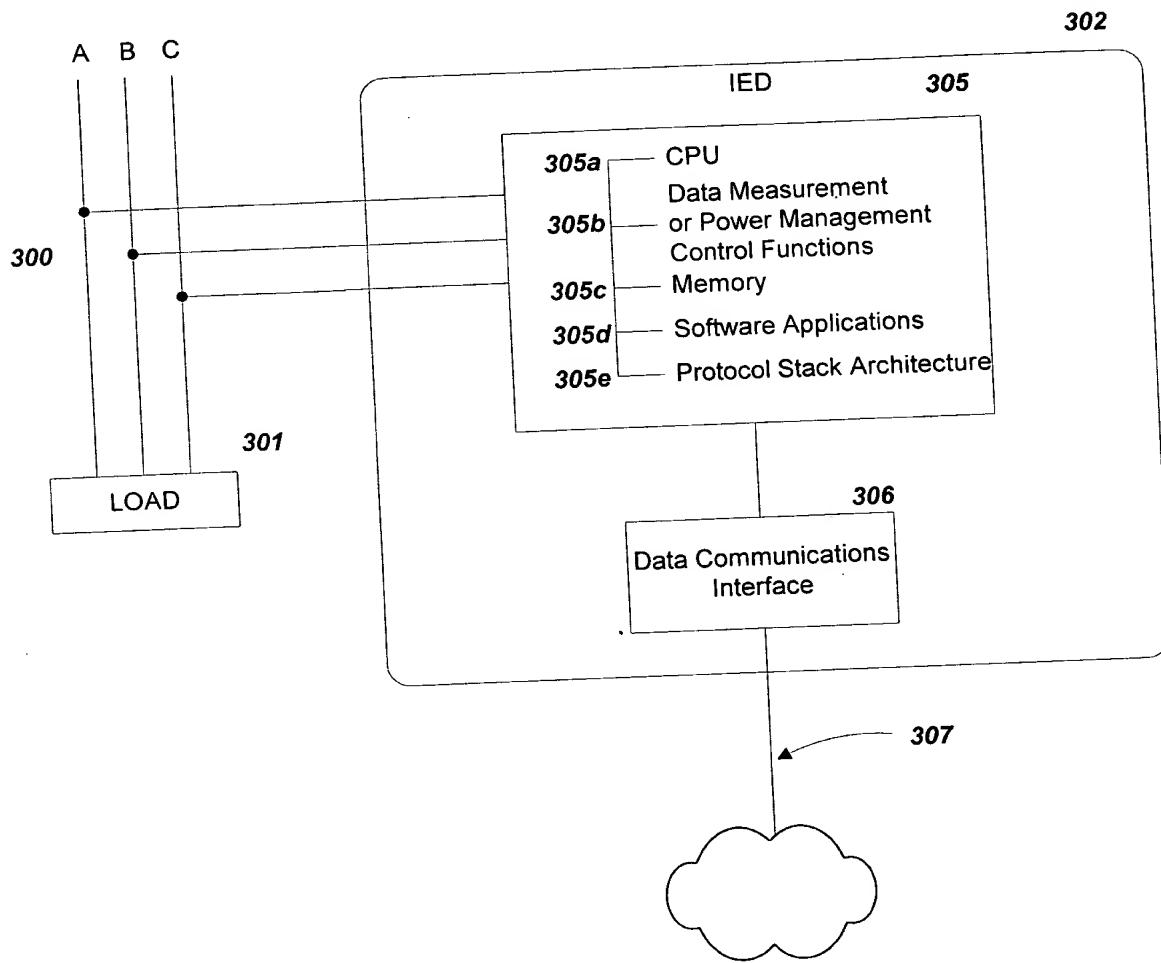
Figure 2a

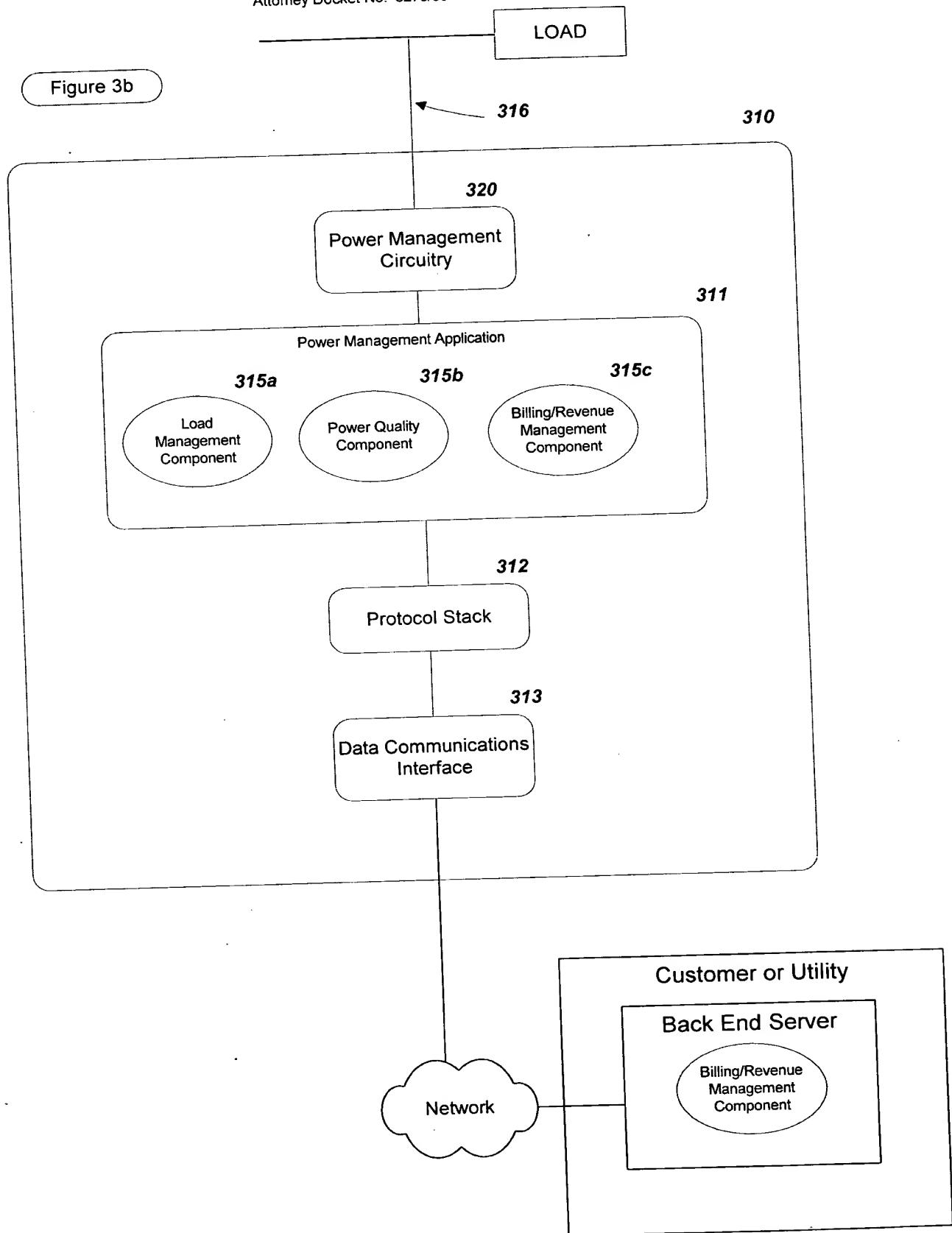




Patent Application For: COMMUNICATIONS ARCHITECTURE FOR INTELLIGENT ELECTRONIC DEVICES  
Inventor(s): Andrew W. Blackett, Bryan J. Gilbert, John C. Van Gorp, Michael E. Teachman, Jeffrey W. Yeo  
Attorney Docket No. 6270/60

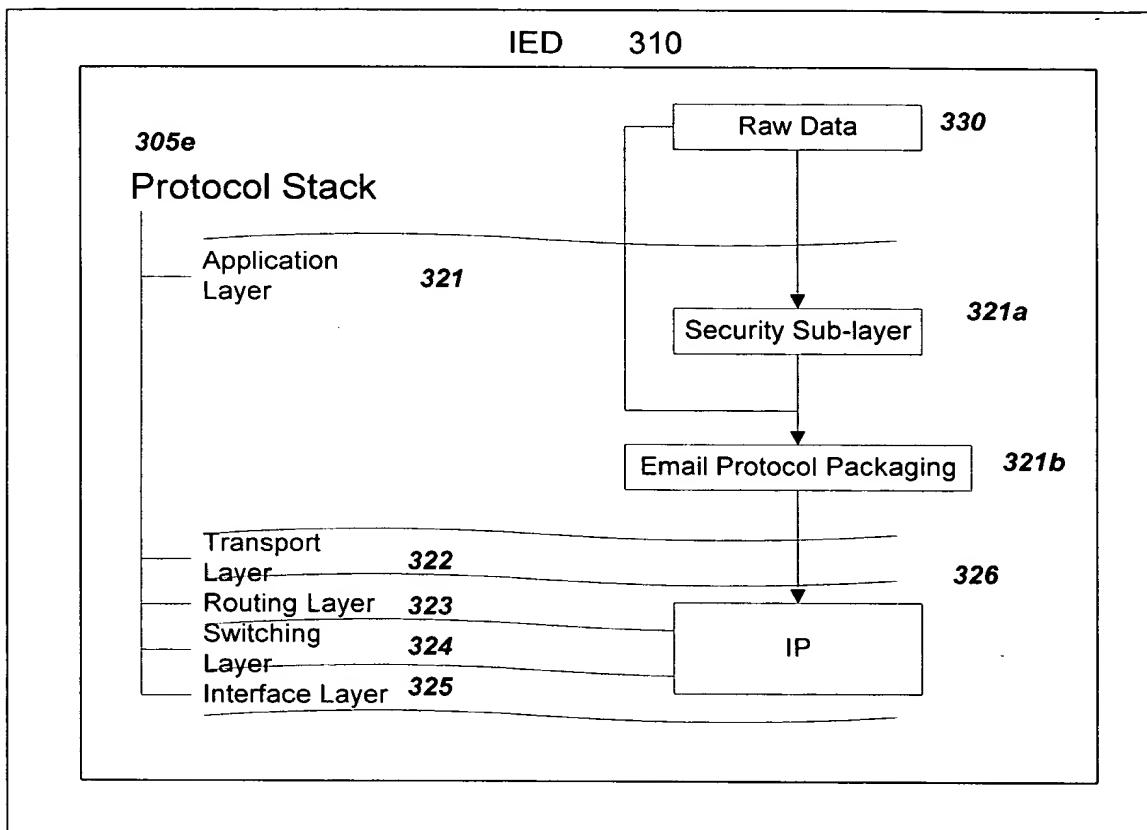
Figure 3a





Patent Application For: COMMUNICATIONS ARCHITECTURE FOR INTELLIGENT ELECTRONIC DEVICES  
Inventor(s): Andrew W. Blackett, Bryan J. Gilbert, John C. Van Gorp, Michael E. Teachman, Jeffrey W. Yeo  
Attorney Docket No. 6270/60

Figure 3c



Patent Application For: COMMUNICATIONS ARCHITECTURE FOR INTELLIGENT ELECTRONIC DEVICES  
Inventor(s): Andrew W. Blackett, Bryan J. Gilbert, John C. Van Gorp, Michael E. Teachman, Jeffrey W. Yeo  
Attorney Docket No. 6270/60

Figure 4a

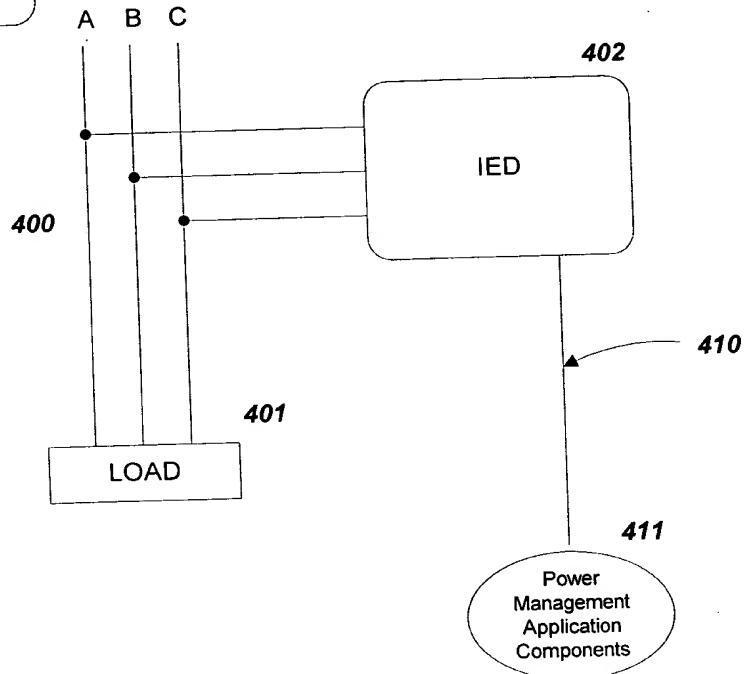
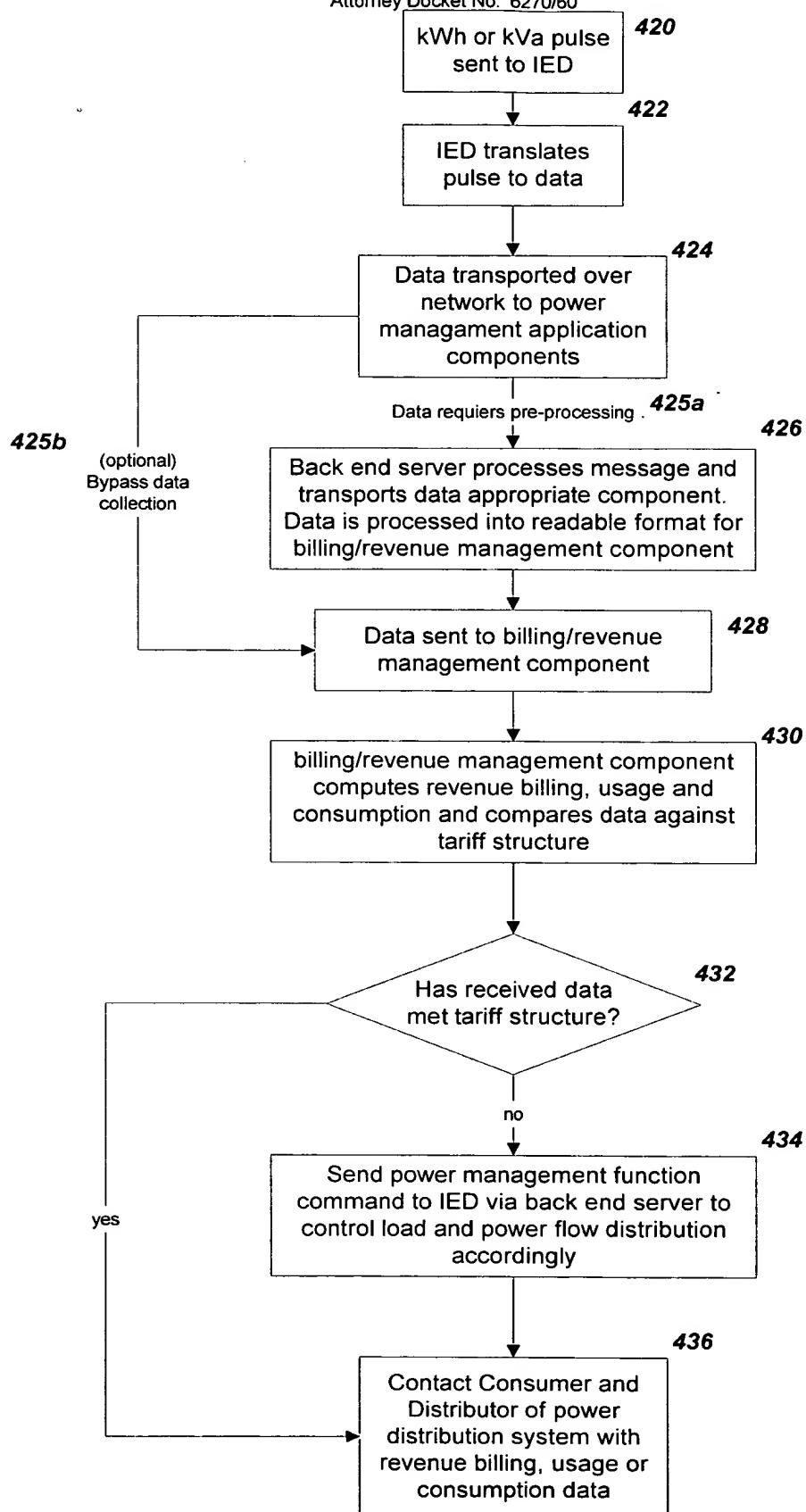


Figure 4b



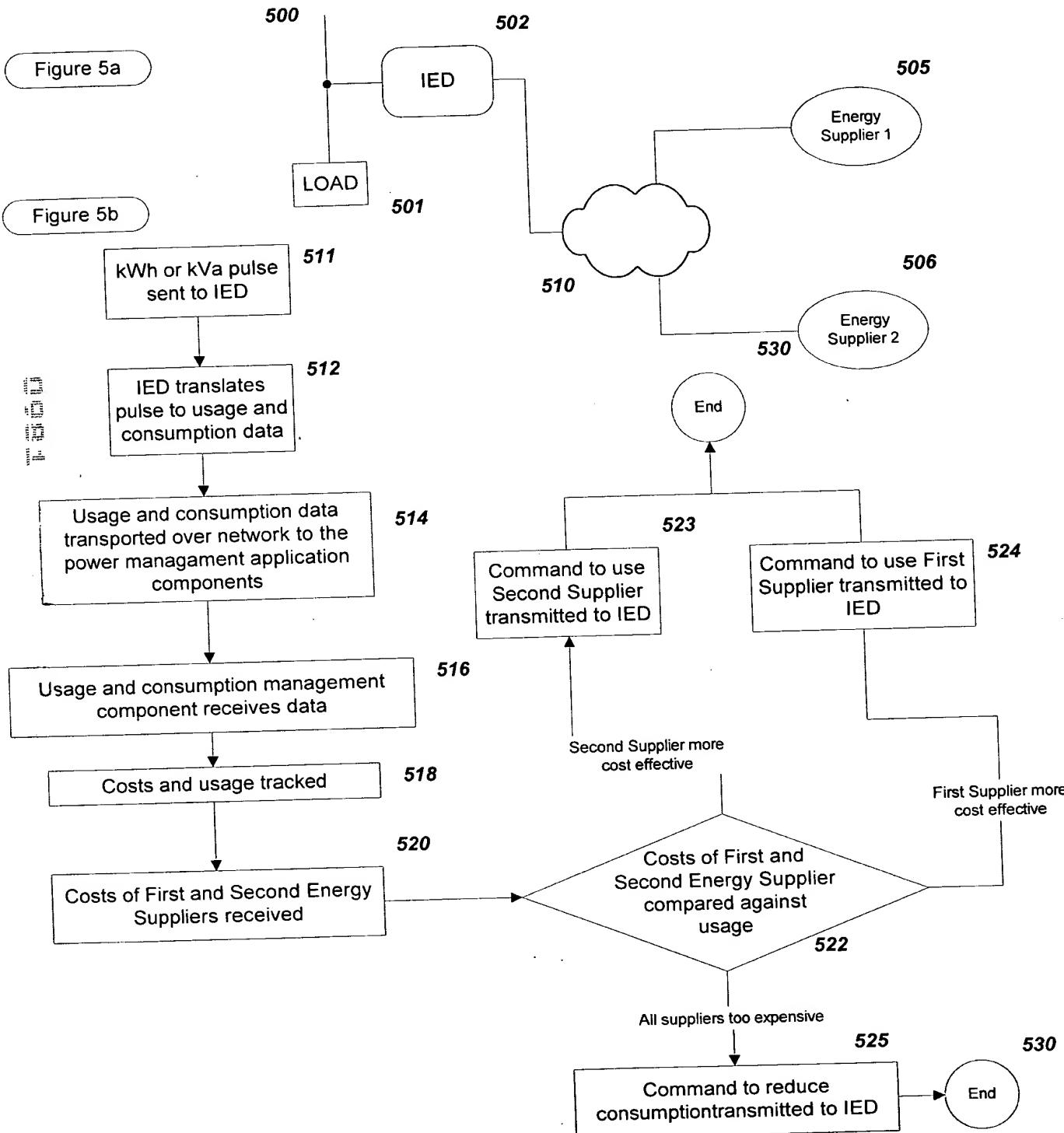
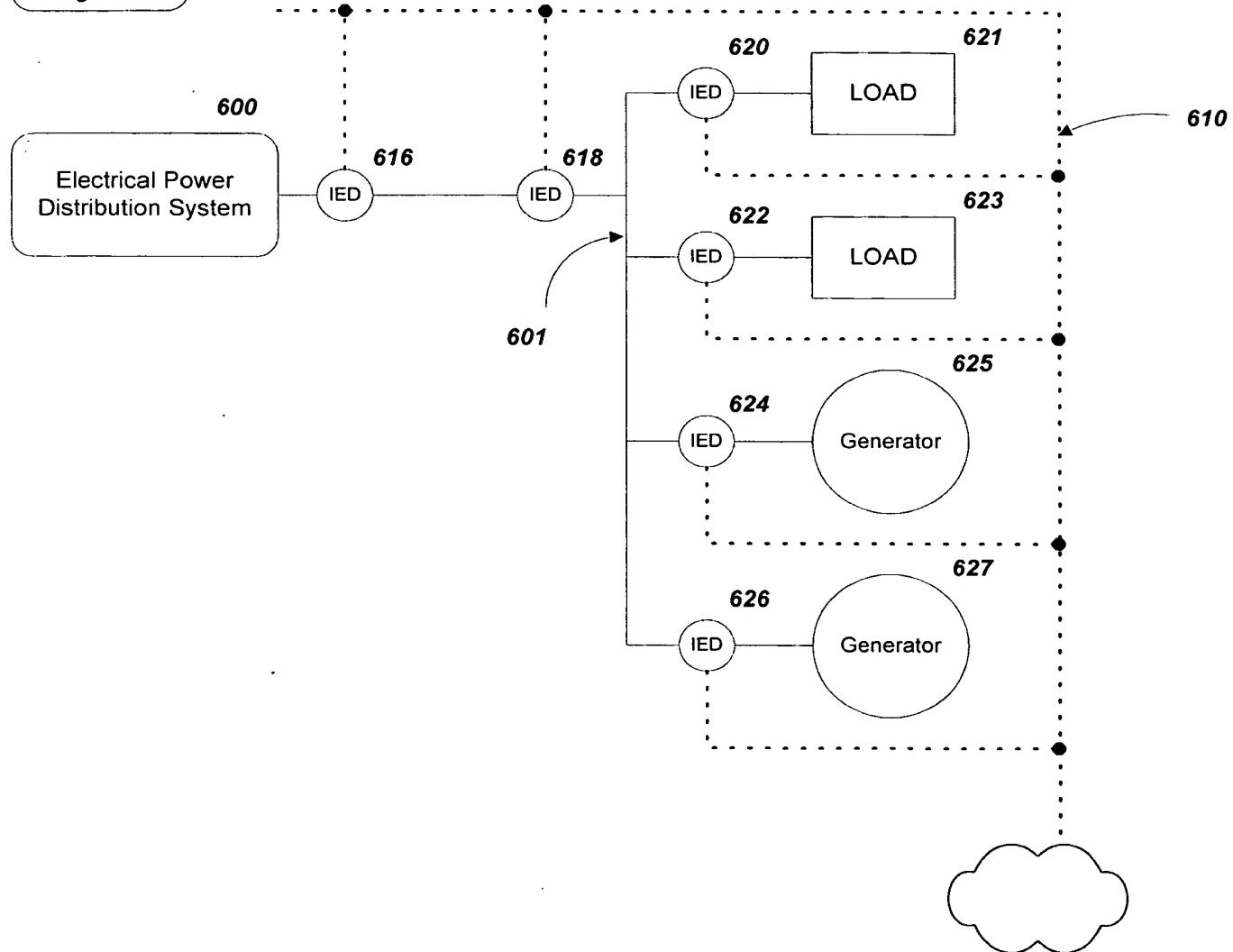


Figure 6



Patent Application For: COMMUNICATIONS ARCHITECTURE FOR INTELLIGENT ELECTRONIC DEVICES  
Inventor(s): Andrew W. Blackett, Bryan J. Gilbert, John C. Van Gorp, Michael E. Teachman, Jeffrey W. Yeo  
Attorney Docket No. 6270/60

Figure 7

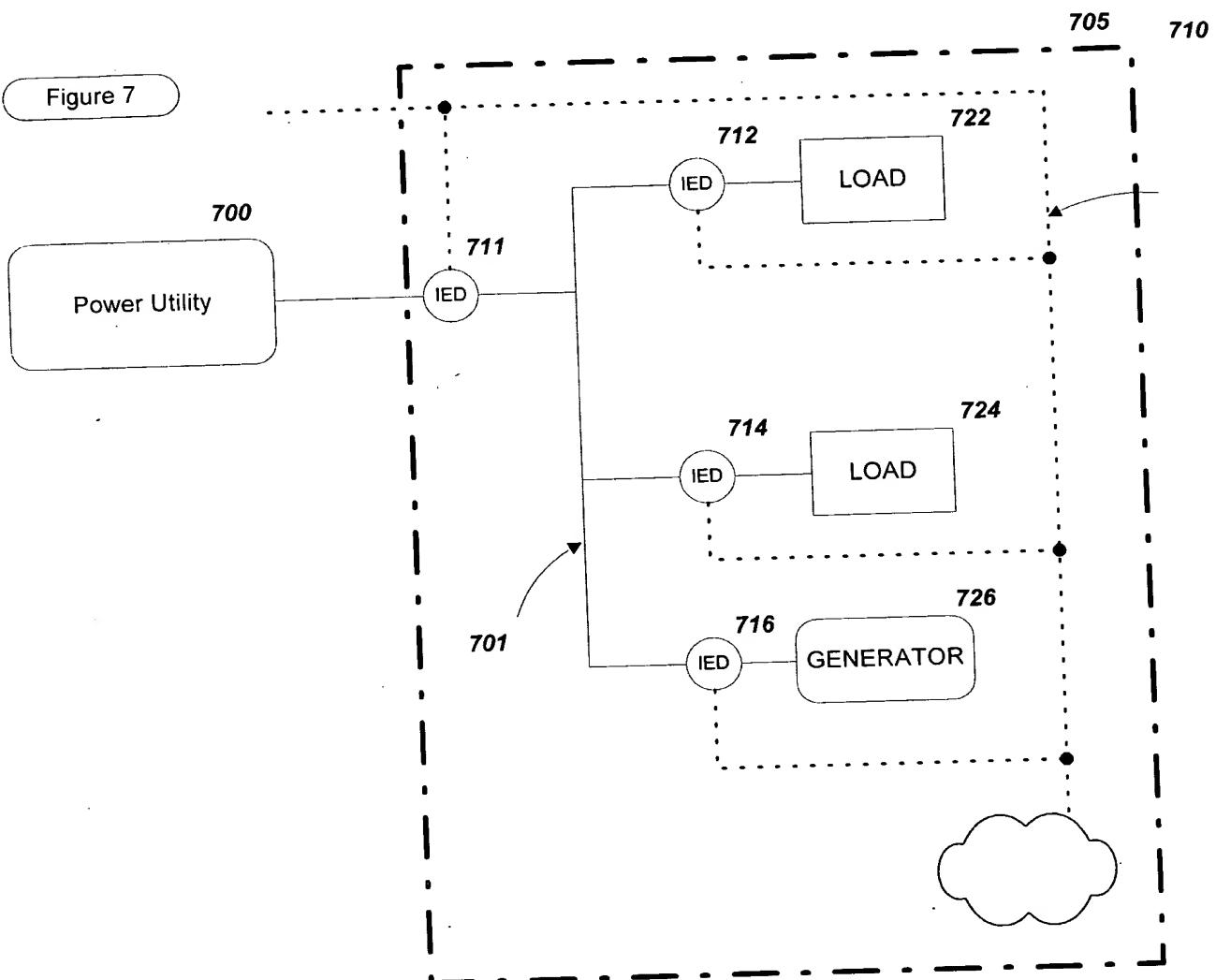


Figure 8

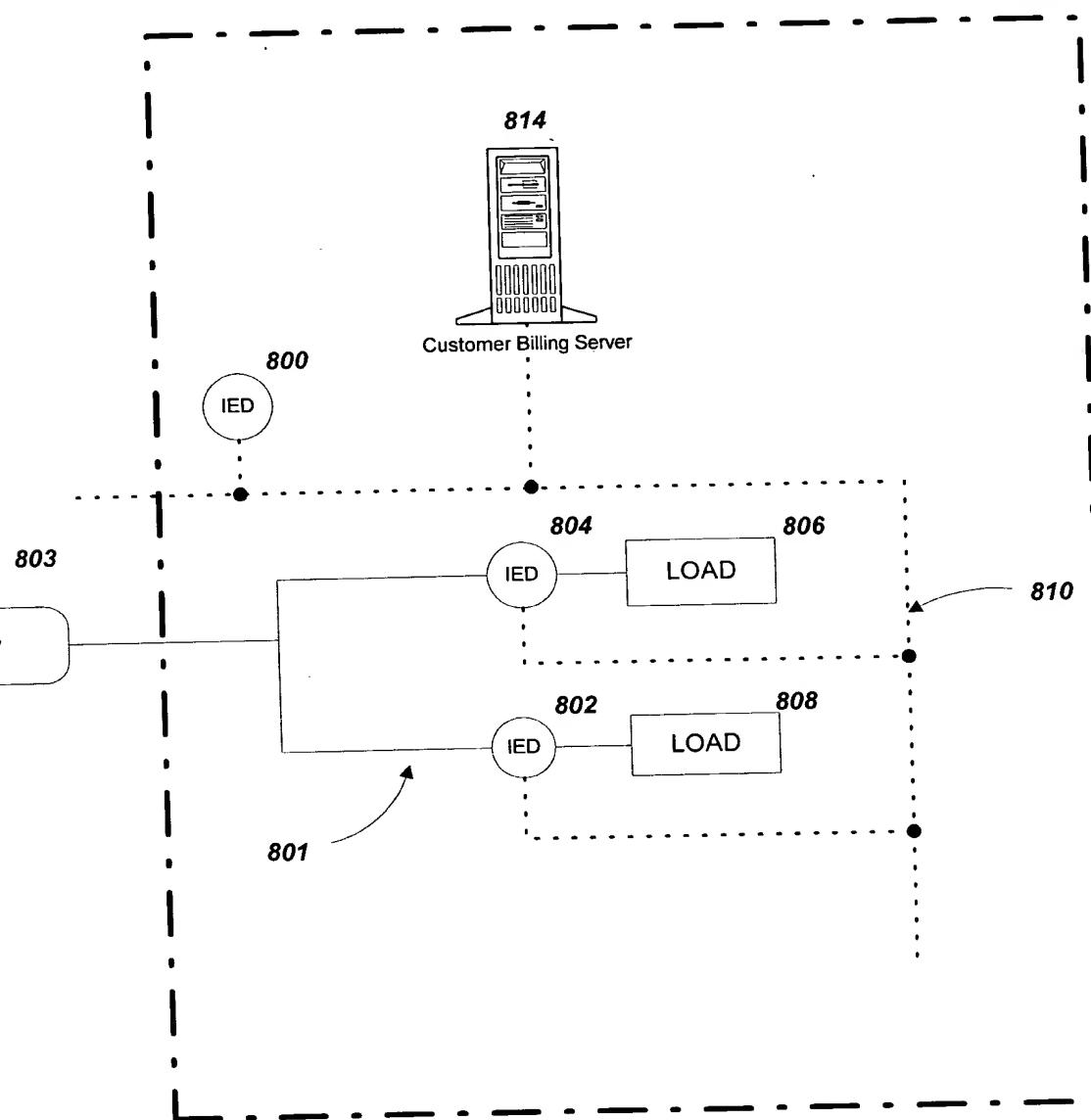
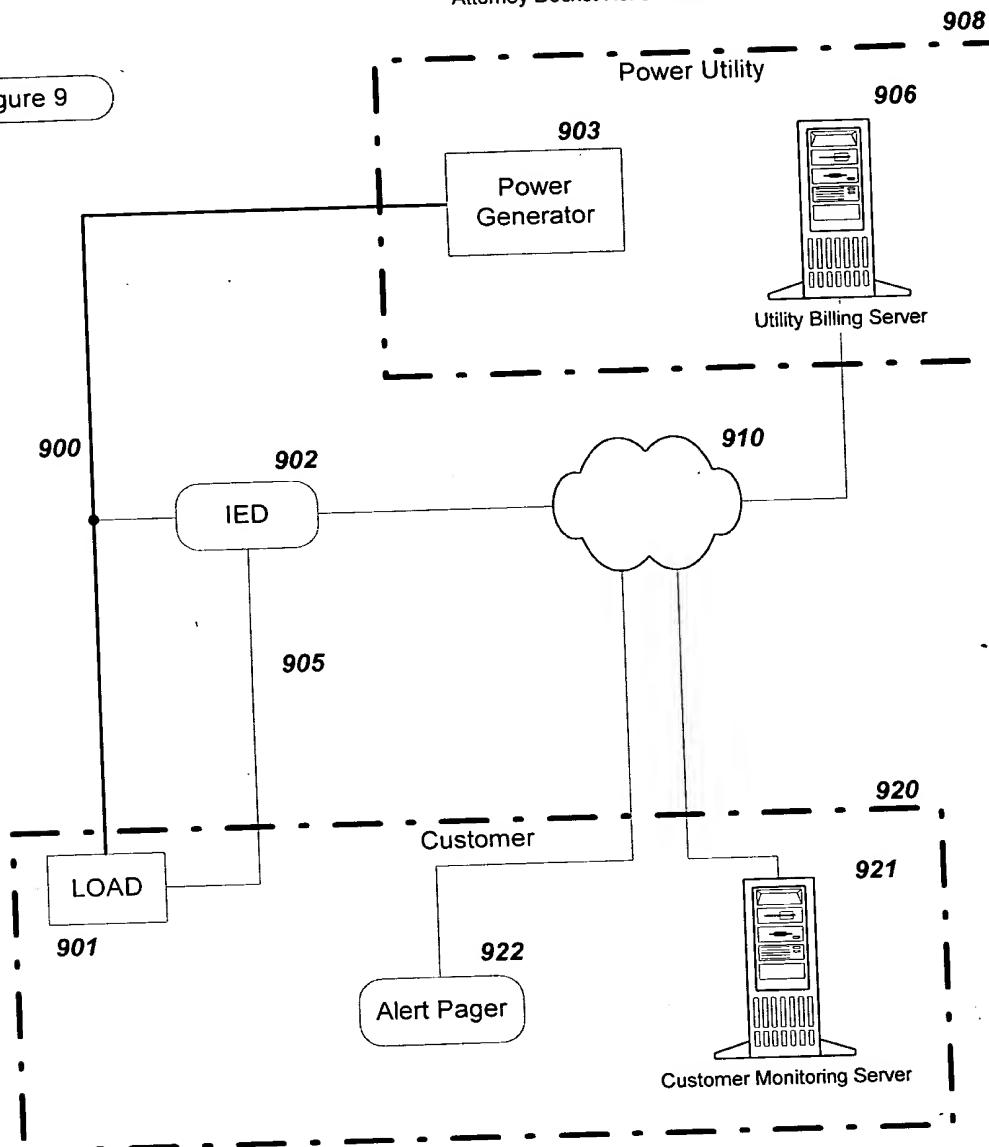
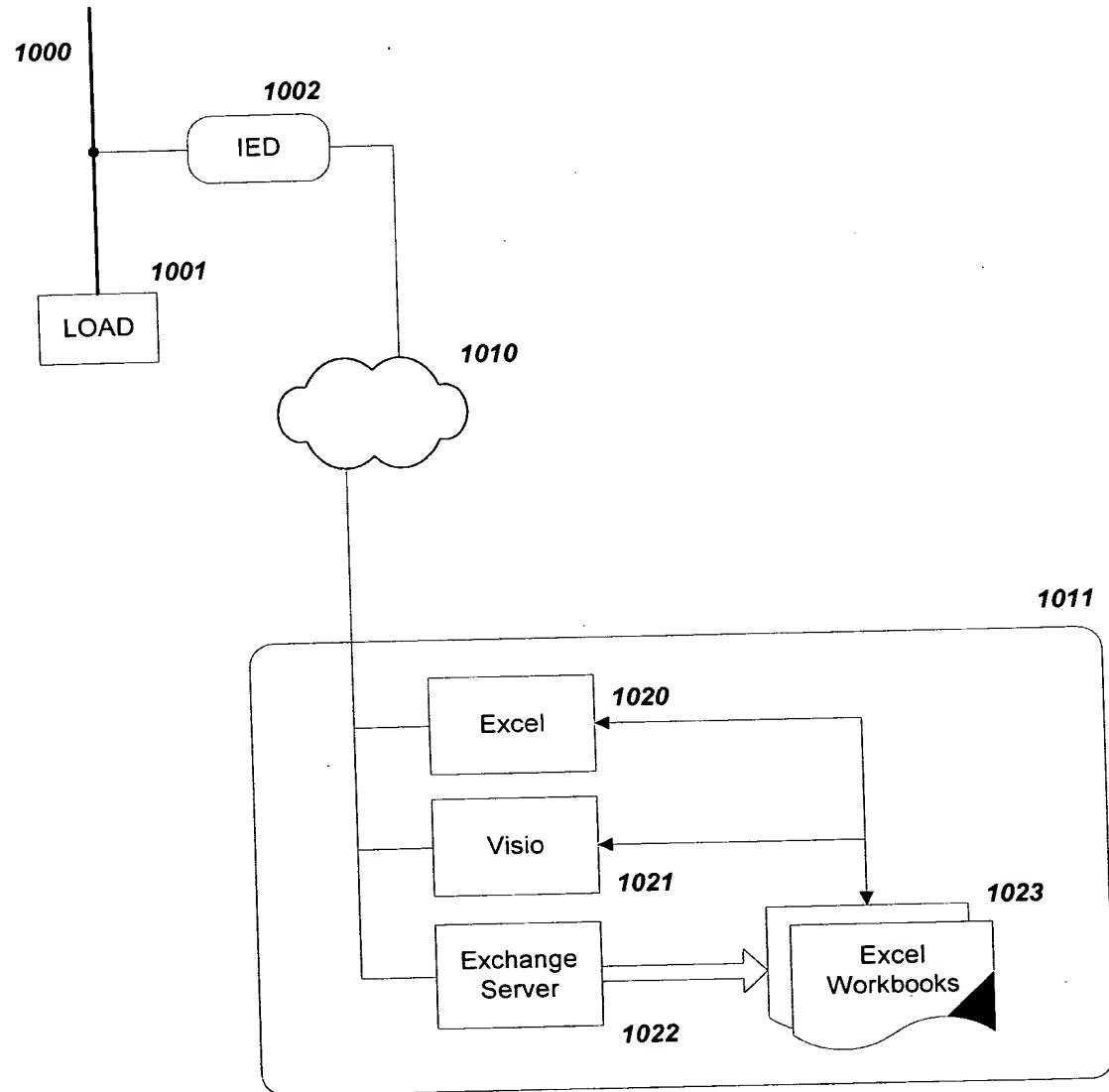


Figure 9



Patent Application For: COMMUNICATIONS ARCHITECTURE FOR INTELLIGENT ELECTRONIC DEVICES  
Inventor(s): Andrew W. Blackett, Bryan J. Gilbert, John C. Van Gorp, Michael E. Teachman, Jeffrey W. Yeo  
Attorney Docket No. 6270/60

Figure 10



Patent Application For: COMMUNICATIONS ARCHITECTURE FOR INTELLIGENT ELECTRONIC DEVICES  
 Inventor(s): Andrew W. Blackett, Bryan J. Gilbert, John C. Van Gorp, Michael E. Teachman, Jeffrey W. Yeo  
 Attorney Docket No. 6270/60

Figure 11

**Site1.a8500**

**Default Diagram**

LABEL	VALUE
l a	197.97
l b	207.52
l c	237.82
Vin c	479.28
Vin b	371.46
Vll ca	580.46
Vll ab	589.1
Vll bc	586.28
Vll avg	585.28
Vin avg	357.23
l avg	214.44
PF sign tot	-94
Freq	59
CL1 LocalTime	08:32.9

**Change Update Rate**  
 Type in the number of seconds you would like between page updates and hit <RETURN>

10

**Some features to implement:**

**Auto-detection:** Excel could automatically add a worksheet (a "tab" below) when it detects a new device on the network

**Complex Aggregation:** Because it is Excel, you can do anything you want, easily!

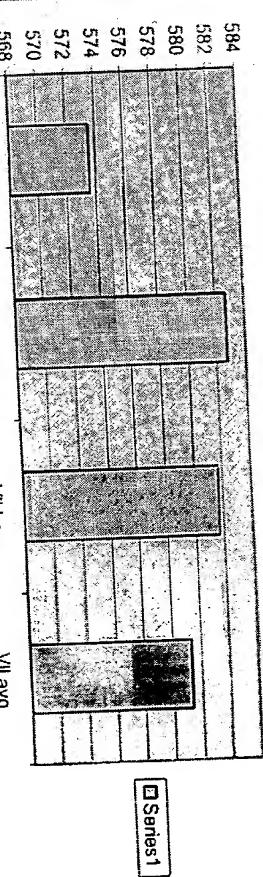
**Logging:** You could write simple scripts to log the values on the left to an Access DE

**Animation:** Charts, warnings, etc

**Onboard logs:** could be displayed easily

**Default diagrams:** we just need to create an excel template for each device

**GRAPHICAL VOLTAGES**



**Sum of Currents:**

643.31

**Formula-based Setpoint:**

OVER 550 Volts

SCANNED, #

Patent Application For: COMMUNICATIONS ARCHITECTURE FOR INTELLIGENT ELECTRONIC DEVICES  
Inventor(s): Andrew W. Blackett, Bryan J. Gilbert, John C. Van Gorp, Michael E. Teachman, Jeffrey W. Yeo  
Attorney Docket No. 6270/60

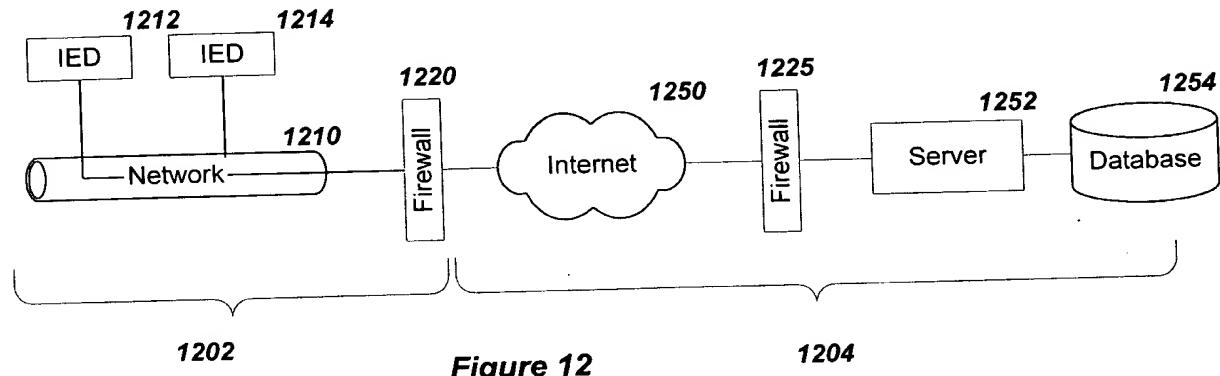


Figure 12

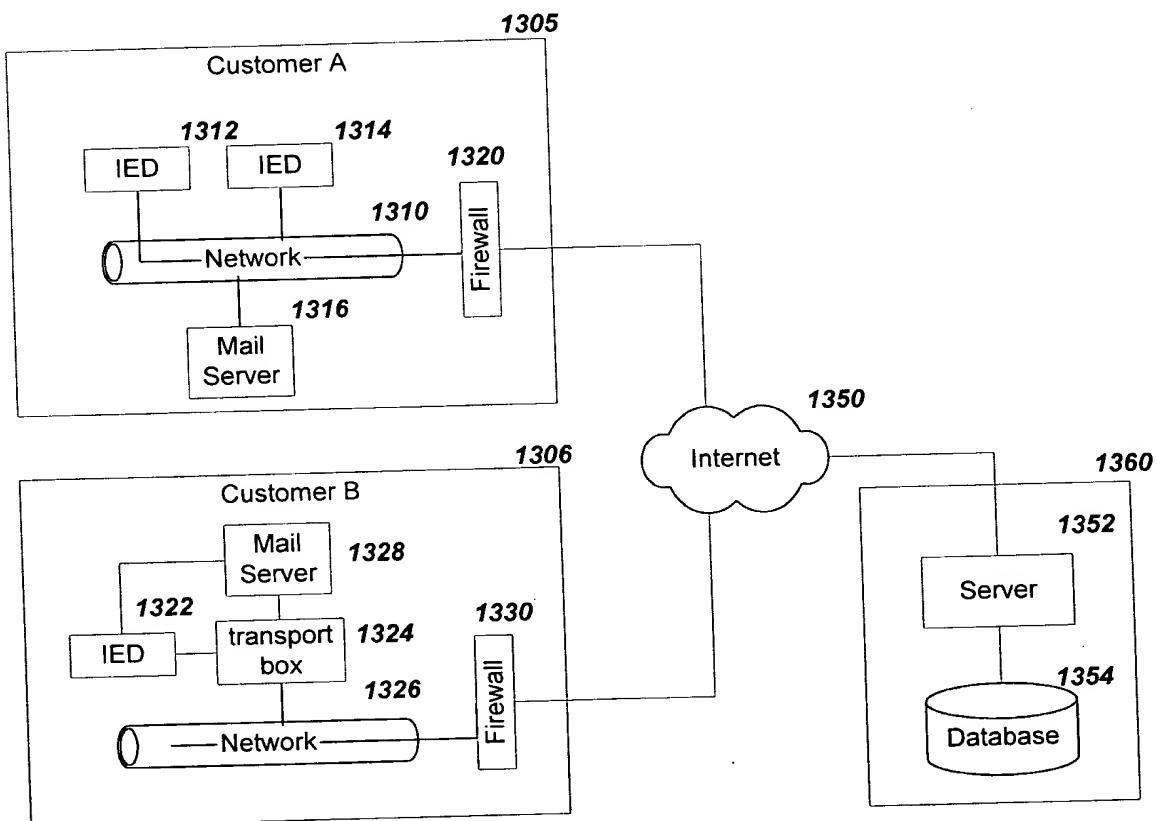
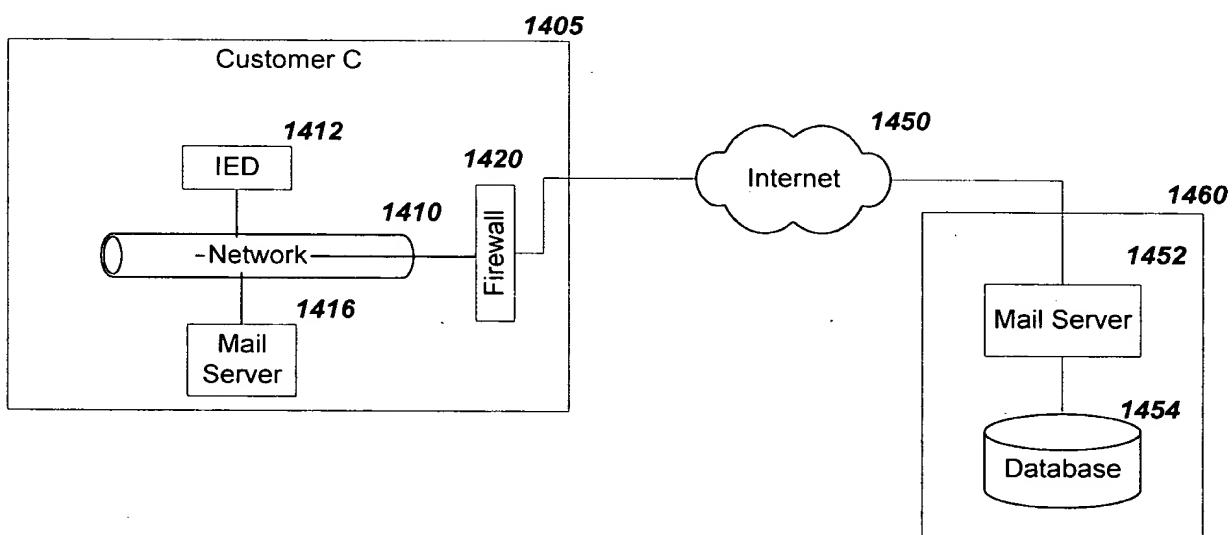


Figure 13

Patent Application For: COMMUNICATIONS ARCHITECTURE FOR INTELLIGENT ELECTRONIC DEVICES  
Inventor(s): Andrew W. Blackett, Bryan J. Gilbert, John C. Van Gorp, Michael E. Teachman, Jeffrey W. Yeo  
Attorney Docket No. 6270/60



**Figure 14**